

Chapter 22 Study Guide

Prior to lecture:

1. For review read chapter 9 section 2.
2. Read Ch. 22 in textbook
3. Work through example problem 22.1, 22.2, and 22.4.
4. Answer conceptual questions 3, 4, 8, 10, 11 and 12 on page 808 of the text.
5. Define the following terms:
 - a. Magnetic poles
 - b. Ferromagnets
 - c. Electromagnets
 - d. Magnetic domains
 - e. Curie temperature
 - f. Magnetic field
 - g. Lorentz force
 - h. Right Hand Rules
 - i. Hall effect
 - j. Ampere's law
 - k. Solenoid

After the lecture

1. Review notes from lecture.
2. Redo all example problems from lecture.
3. Reread text
4. Work through example problem 22.6 and 22.7.
5. Redo all recitation worksheet problems
6. Answer conceptual questions 14, 15, 18, 22, and 25 of the text.
7. Complete homework for chapter 22
8. For extra practice, try the following problems from chapter 22 of the textbook: 5, 8, 15, 18, 20, 22, 24, 26, 28, 40, 42, 50, 51, 54, 58, 60, 61, 74, and 82.